

## How the World Works

### ELA Standards

**LAFS.4.RL.1.2** Determine a theme of a story, drama, or poem from details in the text; summarize the text.

**LAFS.4.RL.1.3** Determine a theme of a story, drama, or poem from details in the text; summarize the text.

**LAFS.4.RL.2.4** Determine the meaning of words and phrases as they are used in a text, including those that allude to significant characters found in mythology (e.g., Herculean).

**LAFS.4.RL.2.5** Explain major differences between poems, drama, and prose, and refer to the structural elements of poems (e.g., verse, rhythm, meter) and drama (e.g., casts of characters, settings, descriptions, dialogue, stage directions) when writing or speaking about a text.

**LAFS.4.RF.3.3** Know and apply grade-level phonics and word analysis skills in decoding words.

- a. Use combined knowledge of all letter-sound correspondences, syllabication patterns, and morphology (e.g., roots and affixes) to read accurately unfamiliar multi-syllabic words in context and out of context.

**LAFS.4.RF.4.4** Read with sufficient accuracy and fluency to support comprehension.

- a. Read on-level text with purpose and understanding.
- b. Read on-level prose and poetry orally with accuracy, appropriate rate, and expression on successive readings.
- c. Use context to confirm or self-correct word recognition and understanding, rereading as necessary.

**LAFS.4.SL.1.1** Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 4 *topics and texts*, building on others' ideas and expressing their own clearly.

- a. Come to discussions prepared, having read or studied required material; explicitly draw on that preparation and other information known about the topic to explore ideas under discussion.
- b. Follow agreed-upon rules for discussions and carry out assigned roles.
- c. Pose and respond to specific questions to clarify or follow up on information, and make comments that contribute to the discussion and link to the remarks of others.
- d. Review the key ideas expressed and explain their own ideas and understanding in light of the discussion.

**LAFS.4.SL.1.2** Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.

**LAFS.4.SL.1.3** Identify the reasons and evidence a speaker provides to support particular points.

**LAFS.4.SL.2.4** Report on a topic or text, tell a story, or recount an experience in an organized manner, using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.

**LAFS.4.SL.2.5** Add audio recordings and visual displays to presentations when appropriate to enhance the development of main ideas or themes.

**LAFS.4.SL.2.6** Differentiate between contexts that call for formal English (e.g., presenting ideas) and situations where informal discourse is appropriate (e.g., small-group discussion); use formal English when appropriate to task and situation.

**LAFS.4.L.1.1** Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.

- a. Demonstrate legible cursive writing skills.

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- b. Use relative pronouns (*who, whose, whom, which, that*) and relative adverbs (*where, when, why*).
- c. Form and use the progressive (e.g., *I was walking; I am walking; I will be walking*) verb tenses.
- d. Use modal auxiliaries (e.g., *can, may, must*) to convey various conditions.
- e. Order adjectives within sentences according to conventional patterns (e.g., *a small red bag rather than a red small bag*).
- f. Form and use prepositional phrases.
- g. Produce complete sentences, recognizing and correcting inappropriate fragments and run-ons.
- h. Correctly use frequently confused words (e.g., *to, too, two; there, their*).

**LAFS.4.L.1.2** Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

- a. Use correct capitalization.
- b. Use commas and quotation marks to mark direct speech and quotations from a text.
- c. Use a comma before a coordinating conjunction in a compound sentence.
- d. Spell grade-appropriate words correctly, consulting references as needed.

**LAFS.4.L.3.4** Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 4 reading and content, choosing flexibly from a range of strategies.

- a. Use context (e.g., definitions, examples, or restatements in text) as a clue to the meaning of a word or phrase.
- b. Use common, grade-appropriate Greek and Latin affixes and roots as clues to the meaning of a word (e.g., telegraph, photograph, autograph).
- c. Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation and determine or clarify the precise meaning of key words and phrases.

**LAFS.4.L.3.5** Demonstrate understanding of word relationships, and nuances in word meanings.

- a. Explain the meaning of simple similes and metaphors (e.g., as pretty as a picture) in context.
- b. Recognize and explain the meaning of common idioms, adages, and proverbs.
- c. Demonstrate understanding of words by relating them to their opposites (antonyms) and to words with similar but not identical meanings (synonyms).

**LAFS.4.L.3.6** Acquire and use accurately general academic and domain-specific words and phrases as found in grade level appropriate texts, including those that signal precise actions, emotions, or states of being (e.g., *wildlife, conservation, and endangered* when discussing animal preservation).

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### Math Standards

**MAFS.4.OA.1.1** Interpret a multiplication equation as a comparison, e.g., interpret  $35 = 5 \times 7$  as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations.

**MAFS.4.OA.1.2** Multiply or divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison.

**MAFS.4.OA.1.3** Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

**MAFS.4.OA.1.a** Determine whether an equation is true or false by using comparative relational thinking. *For example, without adding 60 and 24, determine whether the equation  $60 + 24 = 57 + 27$  is true or false.*

**MAFS.4.OA.1.b** Determine the unknown whole number in an equation relating four whole numbers using comparative relational thinking. *For example, solve  $76 + 9 = n + 5$  for  $n$  by arguing that nine is four more than five, so the unknown number must be four greater than 76.*

**MAFS.4.NBT.1.1** Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right. *For example, recognize that  $700 \div 70 = 10$  by applying concepts of place value and division.*

**MAFS.4.NBT.1.2** Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using  $>$ ,  $=$ , and  $<$  symbols to record the results of comparisons.

**MAFS.4.NBT.1.3** Use place value understanding to round multi-digit whole numbers to any place.

**MAFS.4.NBT.2.4** Fluently add and subtract multi-digit whole numbers using the standard algorithm.

**MAFS.4.NBT.2.5** Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

**MAFS.4.NBT.2.6** Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

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Science Standards	<p><b>SC.4.L.17.2</b> Explain that animals, including humans, cannot make their own food and that when animals eat plants or other animals, the energy stored in the food source is passed to them.</p> <p><b>SC.4.N.1.1</b> Raise questions about the natural world, use appropriate reference materials that support understanding to obtain information (identifying the source), conduct both individual and team investigations through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.</p> <p><b>SC.4.N.1.2</b> Compare the observations made by different groups using multiple tools and seek reasons to explain the differences across groups.</p> <p><b>SC.4.N.1.3</b> Explain that science does not always follow a rigidly defined method ("the scientific method") but that science does involve the use of observations and empirical evidence.</p> <p><b>SC.4.N.1.4</b> Attempt reasonable answers to scientific questions and cite evidence in support.</p> <p><b>SC.4.N.1.5</b> Compare the methods and results of investigations done by other classmates.</p> <p><b>SC.4.N.1.6</b> Keep records that describe observations made, carefully distinguishing actual observations from ideas and inferences about the observations.</p> <p><b>SC.4.N.1.7</b> Recognize and explain that scientists base their explanations on evidence.</p> <p><b>SC.4.N.1.8</b> Recognize that science involves creativity in designing experiments.</p> <p><b>SC.4.N.2.1</b> Explain that science focuses solely on the natural world.</p> <p><b>SC.4.P.8.1</b> Measure and compare objects and materials based on their physical properties including: mass, shape, volume, color, hardness, texture, odor, taste, attraction to magnets.</p> <p><b>SC.4.P.8.2</b> Identify properties and common uses of water in each of its states.</p> <p><b>SC.4.P.8.3</b> Explore the Law of Conservation of Mass by demonstrating that the mass of a whole object is always the same as the sum of the masses of its parts.</p> <p><b>SC.4.P.8.4</b> Investigate and describe that magnets can attract magnetic materials and attract and repel other magnets.</p> <p><b>SC.4.P.9.1</b> Identify some familiar changes in materials that result in other materials with different characteristics, such as decaying animal or plant matter, burning, rusting, and cooking.</p>
Social Studies Standards	<p><b>SS.4.A.1.1</b> Analyze primary and secondary resources to identify significant individuals and events throughout Florida history.</p> <p><b>SS.4.A.2.1</b> Compare Native American tribes in Florida</p> <p><b>SS.4.A.3.1</b> Identify explorers who came to Florida and the motivations for their expeditions.</p> <p><b>SS.4.A.3.4</b> Explain the purpose of and daily life on missions (San Luis de Talimali in present-day Tallahassee).</p> <p><b>SS.4.G.1.1</b> Identify physical features of Florida.</p> <p><b>SS.4.G.1.2</b> Locate and label cultural features on a Florida map.</p> <p><b>SS.4.G.1.4</b> Interpret political and physical maps using map elements (title, compass rose, cardinal directions, intermediate directions, symbols, legend, scale, longitude, latitude).</p>